Sheet 1 of 3

FORM PTO-1449 (Rev. 2-32)

U.S. Department of Commerce Patent and Trademark Office

Atty. Docket No. Serial No.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

00-713-i23

09/976,900

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(Use several sheets if necessary)

Applicant:

Chad A. Mirkin, et al.

Filing Date:

Group:

October 12, 2001

1637

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
\mathcal{L}	1.	5,830,986	11/03/98	Merrill, et al.	528	332	10/28/96
	2.	5,900,481	05/04/99	Lough, et al.	536	55.3	11/06/96
	3.	6,203,989	03/20/01	Goldberg, et al	435	6	03/25/99
	4.	6,251,303	06/26/01	Bawendi, et al.	252	301.4R	09/18/98
	5.	6,277,489	08/21/01	Abbott, et al.	428	403	12/04/98
	6.	6,306,610	10/23/01	Bawendi, et al.	435	7.1	09/17/99
	7.	6,361,944	03/26/02	Mirkin, et al.	435	6	06/25/99
	8.	6,365,418	04/02/02	Wagner, et al.	436	518	05/18/00
M	9.	6,417,340	07/09/02	Mirkin, et al.	536	23.1	10/20/00

FOREIGN PATENT DOCUMENTS **Translation** Document Number Class Date Country Subclass Yes Nο 10. WO 93/25709 23 December 1993 **PCT** 11. WO 98/04740 5 February 1998 **PCT** 12. WO 98/17317 30 April 1998 **PCT** 25 November 1999 13. WO 99/60169 **PCT** 14. WO 00/33079 8 June 2002 **PCT** 15. WO 01/00876 4 January 2001 PCT

EXAMINER DATE CONSIDERED 3/1/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

MCDONNELL BOEHNEN MILLBERT & BERGKOFF 300 SOUTH WACKER DRIVE CHICAGO, ILLINOIS 60606 TELEPHONE (312) 913-0001 **FORM PTO-1449** (Rev. 2-32)

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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No	
A.	16.	WO 01/51665	19 July 2001	PCT		٠, <		
	17.	W0 01/73123	4 October 2001	PCT				
	18.	WO 01/86301	15 November 2001	. PCT				
	19.	WO 02/04681	17 January 2002	PCT				
	20.	WO 02/18643	7 March 2002	PCT				
	21.	WO 02/36169	10 May 2002	PCT				
	22.	W0 02/46483	13 June 2002	PCT				
M	23.	WÔ 02/46472	13 June 2002	PCT	7	5		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Ftc)							
	24.	Letsinger, R., et al., "Chemistry of Oligonucleotide-Gold Nanoparticle Conjugates," Phosphorus, Sulfur and Silicon, Volume 144, p. 359-362 (1999)					
N	25.	Letsinger, R., et al., "Use of a Steroid Cyclic Disulfide Anchor in Constructing Gold Nanoparticle—Oligonucleotide Conjugates," Bioconjugate Chem, p. 289-291 (2000)					

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				•						
		OTHER DOCUMEN	TS (Including Author,)	litte Date Pertin	ent Page	e Ftc).	<u> </u>			
9	26.	CTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc). Li Z., et al., "Multiple thiol-anchor capped DNA-gold nanoparticle conjugates," Nucleic Acids Research, Volume 30, p. 1558-1562 (2002)								1558-
	27.	Nuzzo R., et al., "Spontaneously Organized Molecular Assemblies. 3. Preparation and Properties of Solution Adsorbed Monolayers of Organic Disulfides on Gold Surfaces, " J. Am Chem. Soc., Volume 109, p. 2358-2368 (1987)								
	28.	Otsuka, H., et al., "Quantitative and Reversible Lectin-Induced Association of Gold Nonoparticles Modified with D-Lactosyl-D-mercapto-poly(ethyleneglycol)," J. Am Chem. Soc., Volume 123, p. 8226-8230 (2001)								syl-O-
M	29.	Wuelfing, P., et al., "Nanometer Gold Clusters Protected by Surface-Bound Monolayers of Thiolated Poly(ethylene glycol) Polymer Electrolyte," J. Am Chem. Soc., Volume 120, p. 12696-12697 (1998)								
										

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